ABSTRACT OF THE DISCLOSURE

A difference data reception unit 32 receives difference data for all the segments and stores it in a nonvolatile memory. A restoration processing unit stores the restoration process segment number X indicative of a current process segment in the nonvolatile memory, and then restores the segment data from the difference data and stores it in the nonvolatile memory. An overwrite processing unit stores the overwrite processing segment number X-1 indicative of an immediately preceding process segment in the nonvolatile memory, and then reads the restored data which is restored on the immediately preceding segment from the nonvolatile memory and overwrites it onto the data to be written of the volatile memory. If the power supply is interrupted during the restoration process of the segment data, a resuming processing unit resumes the restoration process from the head of the segment of the restoration process segment number which is read from the nonvolatile memory after the power supply is recovered, and if the power supply is interrupted during the overwriting process of the segment data, resumes the overwriting process from the head of the overwrite processing segment number which is read from the nonvolatile memory after the

power supply is recovered.